

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**ATTORNEY DOCKET NO. 030307-0201**

Applicant: Svend Erik BØRGESEN

Title: A VENTRICLE DRAIN

Appl. No.: Unassigned

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Art Unit: Unassigned

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the present Application, Applicant respectfully requests that the above-identified application be amended as follows:

**IN THE CLAIMS:**

In accordance with 37 C.F.R. §1.121, please substitute for original claims 3, 5 -9 and 11-16 the following rewritten version of the same claim, as amended. The change is shown explicitly in the attached "Version with Markings to Show Changes Made."

3. (Amended) A ventricle drain according to claim 1, wherein the passage through the fixture is provided with two end parts and an intermediate part and wherein:

- the two end parts are provided with a first and a second radial size, and
- the intermediate part of the passage is provided with a third radial size, and wherein the third radial size is smaller than the first and the second radial sizes.

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5. (Amended) A ventricle drain according to claim 1, wherein the fastening means of the fastener comprises threads for establishment of a screw joint between the fastener and the fixture by axial rotation of the fastener.

6. (Amended) A ventricle drain according to claim 1, wherein the seal is adapted to have at least a first and a second shape corresponding to a first and a second position of the fastener in relation to the seal, and wherein at least the first position provides a sealed engagement between the seal and the catheter.

7. (Amended) A ventricle drain according to claim 1, wherein the catheter is reinforced against radial pressure at least in a part of its length.

8. (Amended) A ventricle drain according to claim 1, wherein the catheter is reinforced by means of a body inserted into the catheter

9. (Amended) A ventricle drain according to claim 1, further comprising a valve having a first port attached to the free end of the catheter, a second port attached to a place of disposal of the bodily fluids and a third port, said valve having means for selectively connecting one of either the second part or the third port to the first port.

11. (Amended) A ventricle drain according to claim 9, further comprising a one-way valve between the second port and the place of disposal so as to avoid the bodily fluids to flow from the place of disposal to the catheter.

12. (Amended) A ventricle drain according to claims 9, wherein the third port is adapted for injection of fluids into the free end of the catheter.

13. (Amended) A ventricle drain according to claim 9, wherein the valve further comprises a fourth port with a soft rubber seal adapted for injection of fluids into the free end of the catheter.

14. (Amended) A catheter for a ventricle drain according to claim 1, wherein the catheter has an intermediate part and two end parts, the intermediate part of the

catheter being made from a different material than the end parts, so that the intermediate part of the catheter is more resistant towards radial pressure than the end parts.

15. (Amended) A seal for a ventricle drain according to claim 1, wherein the seal deforms elastically in a radial direction so as to press against the catheter upon application of a pressure to the seal.

16. (Amended) A seal for a ventricle drain according to claim 1, wherein the seal has a first and a second part the first part of the seal being provided with a resilient part enabling the first part to deform elastically in a radial direction so as to press against the catheter upon application of an axial pressure to the seal.

**REMARKS**

Applicant respectfully requests that the foregoing amendments to Claims 3, 5-9 and 11-16 be entered in order to avoid this application incurring a surcharge for the presence of one or more multiple dependent claims.

Respectfully submitted,



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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

3. (Amended) A ventricle drain according to claim 1 [or 2], wherein the passage through the fixture is provided with two end parts and an intermediate part and wherein:

- the two end parts are provided with a first and a second radial size, and
- the intermediate part of the passage is provided with a third radial size,

and wherein the third radial size is smaller than the first and the second radial sizes.

5. (Amended) A ventricle drain according to [any of the preceding claims] claim 1, wherein the fastening means of the fastener comprises threads for establishment of a screw joint between the fastener and the fixture by axial rotation of the fastener.

6. (Amended) A ventricle drain according to [any of the preceding claims] claim 1, wherein the seal is adapted to have at least a first and a second shape corresponding to a first and a second position of the fastener in relation to the seal, and wherein at least the first position provides a sealed engagement between the seal and the catheter.

7. (Amended) A ventricle drain according to [any of the preceding claims] claim 1, wherein the catheter is reinforced against radial pressure at least in a part of its length.

8. (Amended) A ventricle drain according to [any of the preceding claims] claim 1, wherein the catheter is reinforced by means of a body inserted into the catheter

9. (Amended) A ventricle drain according to [any of the preceding claims] claim 1, further comprising a valve having a first port attached to the free end of the catheter, a second port attached to a place of disposal of the bodily fluids and a third port, said valve having means for selectively connecting one of either the second part or the third port to the first port.

11. (Amended) A ventricle drain according to claim 9 [or 10], further comprising a one-way valve between the second port and the place of disposal so as to avoid the bodily fluids to flow from the place of disposal to the catheter.

12. (Amended) A ventricle drain according to [any of claims 9-11] claims 9, wherein the third port is adapted for injection of fluids into the free end of the catheter.

13. (Amended) A ventricle drain according to [any of claims 9-11] claim 9, wherein the valve further comprises a fourth port with a soft rubber seal adapted for injection of fluids into the free end of the catheter.

14. (Amended) A catheter for a ventricle drain according to [any of the preceding claims] claim 1, wherein the catheter has an intermediate part and two end parts, the intermediate part of the catheter being made from a different material than the end parts, so that the intermediate part of the catheter is more resistant towards radial pressure than the end parts.

15. (Amended) A seal for a ventricle drain according to [any of the preceding claims] claim 1, wherein the seal deforms elastically in a radial direction so as to press against the catheter upon application of a pressure to the seal.

16. (Amended) A seal for a ventricle drain according to [any of the preceding claims] claim 1, wherein the seal has a first and a second part the first part of the seal being provided with a resilient part enabling the first part to deform elastically in a radial direction so as to press against the catheter upon application of an axial pressure to the seal.